

6 Feb

Work Order ID 150520

150520

Thursday, August 25, 2016 10:35:37 AM

Item ID: D350-822-011 Accept *N900040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: PA100 PUREair System for AS350/EC130
Start Date: 8/29/2016 Start Qty: 1.00 *1* Cust Item ID:
Required Date: 9/19/2016 Req'd Qty: 1.00 *1* Customer:
Reference:

Approvals: Process Plan: **DAS 21 9-89** Date: **AUG 25 2016** Tooling: Date: Run Start *NR1*
QC: **DAS 21 9-89** Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D350-822	F	JAN 27 2017	DAS 6 9-89				DAS 21 9-89	17-01-30	
100	DOCUMENT CONTROL	0.00							
100									
DC	Memo	0.00				DAS 27 9-89			
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D350-822-011 CHG002								
									FEB 01 2017
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							JAN 28 2017
Packaging									DAS 23 9-89
									17-01-30
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.01							
Quality Control									

FEB 01 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation		Disposition			
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER :			

Work Order ID 150520

Thursday, August 25, 2016 10:35:37 AM

150520

Page 2

Item ID: D350-822-011

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/19/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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125

Consignment Stock

0.00

125

Outsourc10

Consignment stock

Memo

0.00

Issue PO to GL account 50000-25 to LEAVE W/O OPEN UNTIL SOLD

PO 34790

(Send copy of PO to Pall - James)

Issue W/O LINE item for Pall for amount sold on sales order S/O 129057
according to sales price see Warran for amount. (if sale price is \$23,000 -
amount is \$13,400)PO can be received immediately and given to finance in order to close work
order.4 170202

130

0.00

130

Packaging

Packaging

Packaging

Memo

0.01

Identify and pack for shipping as per PPP D350-822-011

Location: _____

SoldDAS
27
9-89
DAS
28
9-89

FFR 01 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition			Completed By																		
							Lead hand / Supervisor Approval Verification																		
							QC / QA Coordinator Approval																		
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : ☐																			

Work Order ID 150520

Thursday, August 25, 2016 10:35:37 AM

150520

Page 3

Item ID: D350-822-011**Accept*****N900040100*****Setup Start*****NS1*****Revision ID:****Stop*****NS2*****Item Name:** PA100 PUREair System for AS350/EC130**Start Date:** 8/29/2016 **Start Qty:** 1.00***1*****Cust Item ID:****Required Date:** 9/19/2016 **Req'd Qty:** 1.00***1*****Customer:****Reference:****Approvals:****Process Plan:** _____**Date:** _____**Tooling:** _____**Date:** _____**Run Start*****NR1*****QC:** _____**Date:** _____**SPC (Y/N):** _____**Date:** _____**Stop*****NR2*****Sequence ID/
Work Center ID****Operation
Description****Set Up/
Run Hours****Tool ID****Tool #****Plan
Code****Accept
Qty****Reject
Qty****Reject
Number****Insp.
Stamp**

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.02

Quality Control

FEB 01 2017

JMF
17-01

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____			
Misidentified ☐		Past Due ☐					

Picklist Print

Thursday, August 25, 2016 10:35:39 AM

Page 1

Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 14.02.20 NEW ISSUE DD VERF:JLM IPP
REV:B 14.06.18 AS PER IIN REV.C DD VERF:JLM IPP REV:C
15.06.03 AS PER IIN REV.D DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

NAS1149D0332J

Purchased

No

Each

1,122.000

58

**

NAS1149D0332.J

Washer

Location

Loc Qty

Loc Code

CA

6

m129682

6

FP001

522

m134848

522

GA

463

m135046

463

ST264

131

m135046

131

QR10616

Purchased

No

Each

21.0000

1

**

QR10616

Vortex Tube Repair

Location

Loc Qty

Loc Code

fg108

1

m129631

1

m134946

6

m135354

10

QC INSP

4

m133995

4

DAS
27
9-89

DAS
27
9-89

DAS
26
9-89

JAN 28 2017

DAS
28
9-89

DAS
26
9-89

JAN 28 2017

DAS
28
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER : _____			

Picklist Print

Thursday, August 25, 2016 10:35:40 AM

Page 2

Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

QB21304 Purchased No

Each 18.0000

QB21304

PUREair Panel Assembly

**

Location

Loc Qty

Loc Code

fg108

16

m134946

6

m135354

10

MEZZpall

2

118409

2

Each

17.0000

QB21310

Purchased No

QB21310

Transition Duct Assembly

**

Location

Loc Qty

Loc Code

fg108

1

m129631

1

m134946

6

m135354

10

Each

16.0000

QB21308

Purchased No

QB21308

Fod Screen Assembly

**

Location

Loc Qty

Loc Code

fg108

16

m134946

6

m135354

10

DAS
27
9-89

DAS
27
9-89

DAS
27
9-89

DAS
6
9-89

DAS
6
9-89

DAS
6
9-89

JAN 28 2017
DAS
28
9-89

JAN 28 2017
DAS
28
9-89

JAN 28 2017
DAS
28
9-89

135894

135894

135894

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coor. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coor. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coor. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : ☐																			

Picklist Print

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Page 3

Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

LN29985-A05

Purchased

No

Each

330.0000

I N29985-A05

Anchor Nut

DAS
27
9-89

Location

Loc Qty

Loc Code

fg108

150

m135354

150

ST563

180

m133062

15

m134976

165

**

DAS
6
9-89

JAN 28 2017 DAS
23
9-89

LN9038-05018

Purchased

No

Each

769.0000

I N9038-05018

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

fg108

560

M135354

560

ST564

209

M134586

30

M134969

79

M135083

100

**

DAS
6
9-89

JAN 28 2017 DAS
23
9-89

BS4320-A5

Purchased

No

Each

932.0000

BS4320-A5

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

fg108

908

M134946

398

M135354

510

MEZZpall

24

M129914

24

**

DAS
6
9-89

JAN 28 2017 DAS
23
9-89

Thursday, August 25, 2016 10:35:40 AM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐			FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		
OTHER : _____					

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Thursday, August 25, 2016 10:35:40 AM

Page 4

Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS20426AD3-3

Purchased

No

Each

6,616.000

40

DAS
6
9-89

JAN 28 2017

DAS
28
9-89

MS20426AD3-3

RIVET

DAS
27
9-89

Location

Loc Qty

Loc Code

fg108

400

M135354

400

GA

80

M131624

80

ST312

6136

M135274

6136

135894

650.0401

Purchased

No

Each

14.0000

1

DAS
6
9-89

JAN 28 2017

DAS
28
9-89

650 0401

PUREair Fairing Assembly

DAS
27
9-89

Location

Loc Qty

Loc Code

FG109

14

132155

14

Each

6.0000

1

DAS
6
9-89

JAN 28 2017

DAS
28
9-89

D4925-041

Manufactured

No

D4925-041

Mounting Plate Assembly

DAS
27
9-89

Location

Loc Qty

Loc Code

ST218

6

143440

6

Each

12.0000

1

DAS
6
9-89

JAN 28 2017

DAS
28
9-89

D4931-1

Manufactured

No

D4931-1

Engine Fitting (for acft models B2 & previous)

DAS
27
9-89

Location

Loc Qty

Loc Code

st138

12

144653

12

151134

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐				
Date :	Step #:	QTY Effective :			MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By	
					Lead hand / Supervisor Approval Verification	
					QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY				
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER :						

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Page 5

Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

D4931-3 Manufactured No

Each 3.0000

D4931-3

Engine Fitting (for B3 models)

DAS
27
9-89

Location

Loc Qty

Loc Code

st138

3

120907

3

**

DAS
6
9-89

JAN 28 2017

DAS
28
9-89

D4931-5 Manufactured No

Each 6.0000

D4931-5

Engine Fitting (for B3e models)

DAS
27
9-89

Location

Loc Qty

Loc Code

st138

6

120908

6

**

DAS
6
9-89

JAN 28 2017

DAS
28
9-89

D4935-1 Manufactured No

Each 39.0000

D4935-1

Mounting Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

ST139

39

146511

39

**

DAS
6
9-89

JAN 28 2017

DAS
28
9-89

D4943-1 Manufactured No

Each 22.0000

D4943-1

Flex Hose

DAS
27
9-89

Location

Loc Qty

Loc Code

ST220a

8

119754

8

st220b

14

119751

6

119752

8

**

DAS
6
9-89

JAN 28 2017

DAS
28
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
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OTHER :					

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Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

D4961-041

Manufactured No

Each

12.0000

D4961-041

Tube Assembly

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

1

145204

1

ST139

11

146889

11

Each

3.0000

**

JAN 28 2017

DAS
6
9-89

DAS
28
9-89

151102

D4961-043

Manufactured No

Each

3.0000

D4961-043

Tube Assembly

DAS
27
9-89

Location

Loc Qty

Loc Code

ST140

3

145205

1

147250

2

Each

18.0000

**

JAN 28 2017

DAS
6
9-89

DAS
28
9-89

151026

D5079-1

Purchased No

Each

18.0000

D5079-1

Placard, EAPS

DAS
27
9-89

Location

Loc Qty

Loc Code

ST148

18

147059

4

147191

14

6/16/2017

**

JAN 28 2017

DAS
6
9-89

DAS
28
9-89

150775

D5090-041

Manufactured No

Each

0.0000

D5090-041

Duct Assembly

DAS
27
9-89

Location

Loc Qty

Loc Code

ST148

18

147059

4

147191

14

6/16/2017

**

JAN 28 2017

DAS
6
9-89

DAS
28
9-89

157549

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

D5105-1 Manufactured No

Each 34.0000

D5105-1

Handle

**

DAS 6 28
9-89 9-89

JAN 28 2017

Location

Loc Qty

Loc Code

st151

34

144642

7

149869

27

157083

D5110-1 Manufactured No

Each 6.0000

D5110-1

Swivel Nut Fitting

**

DAS 6 28
9-89 9-89

JAN 28 2017

Location

Loc Qty

Loc Code

ST152

6

143630

6

150856

D5179-1 Manufactured No

Each 45.0000

D5179-1

Doubler

**

DAS 6 28
9-89 9-89

JAN 28 2017

Location

Loc Qty

Loc Code

ST220

45

146830

12

149870

33

2

D5179-3 Manufactured No

Each 24.0000

D5179-3

Doubler

**

DAS 28
9-89

JAN 28 2017

Location

Loc Qty

Loc Code

ST220

24

144651

4

149875

20

157124

DAS 6
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																														
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Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

D5194-1
D5194-1
Doubler

Manufactured No

Each 30.0000

**

JAN 28 2017

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST220

30

144649

6

149874

24

157114

D5208-041
D5208-041
Blanking Plate Assembly

Manufactured No

Each 9.0000

**

JAN 28 2017

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST158

9

146792

9

149866

8411999090
8411999090
Gasket - P/N 9752100180
9752018044

Purchased No

Each 0.0000

**

JAN 28 2017

DAS 28
6 9-89

Purchased No

Each 13.0000

**

JAN 28 2017

DAS 28
6 9-89

9752018044
Gasket (for B3 models)

Location

Loc Qty

Loc Code

ST589

13

m134540

5

m134710

8

135521

9945000120
9945000120
Gasket (for B3e models)

Purchased No

Each 13.0000

**

JAN 28 2017

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST589

13

m134540

5

m134710

8

135521

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																
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OTHER : _____																																																																				

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Page 9

Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

23350CA050

Purchased

No

Each

45.0000

23350CA050

WASHER

**

2

DAS
6
9-89

JAN 28 2017
DAS
28
9-89

Location

Loc Qty

Loc Code

ST568

45

m129609

45

Each

15.0000

**

2

DAS
6
9-89

JAN 28 2017
DAS
28
9-89

AN821-12J

Purchased

No

AN821-12J

Elbow (or AN821-12K or 12S)

Location

Loc Qty

Loc Code

OVER007

10

m134955

10

ST324

5

m134544

5

Each

15.0000

**

1

DAS
6
9-89

JAN 28 2017
DAS
28
9-89

AN929-12J

Purchased

No

AN929-12J

Cap

Location

Loc Qty

Loc Code

ST322

15

m129764

3

m134861

12

Each

6.0000

**

2

DAS
6
9-89

JAN 28 2017
DAS
28
9-89

EN3686-050016

Purchased

No

FN3686-050016

Screw

Location

Loc Qty

Loc Code

ST559

6

m134586

6

135700

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

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Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

LN9038-05012

Purchased

No

Each

96.0000

I N9038-05012

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

ST564

96

m134976

96

Each

22.0000

LN9038-05040

Purchased

No

I N9038-05040

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

ST564

22

m134466

2

m134976

20

Each

210.0000

LN9348-05

Purchased

No

I N9348-05

Nut

DAS
27
9-89

Location

Loc Qty

Loc Code

ST564

210

m134466

10

m134976

200

Each

1,044.000

MS20470AD3-4

Purchased

No

MS20470AD3-4

Rivet, Universal Head

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

268

111477

268

ST310

776

111477

776

32

**

DAS
6
9-89
JAN 28 2017
DAS
28
9-89

136683

1

**

DAS
6
9-89
JAN 28 2017
DAS
28
9-89

26

**

DAS
6
9-89
JAN 28 2017
DAS
28
9-89

135651

18

**

DAS
6
9-89
JAN 28 2017
DAS
28
9-89

18

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Page 10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Picklist Print

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Work Order ID: 150520

150520

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS21919WCH12

Purchased

No

Each

7.0000

1

MS21919WCH12

Clamp

DAS
27
9-89

Location

Loc Qty

Loc Code

ST291

7

m134527

7

Each

13.0000

**

DAS
6
9-89

DAS
28
9-89

JAN 28 2017

MS9592-138

Purchased

No

Each

13.0000

MS9592-138

Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

ST267

13

m132479

13

Each

18.0000

**

DAS
6
9-89

JAN 28 2017

DAS
28
9-89

NAS43DD3-64

Purchased

No

Each

18.0000

NAS43DD3-64

Spacer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

8

m132461

8

ST550

10

m134544

10

**

DAS
3
9-89

JAN 28 2017

DAS
28
9-89

Thursday, August 25, 2016 10:35:40 AM

Shop Packet Print

Page 11

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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5.0 PARTS LIST

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D350-822-011	PA100 PUREAIR SYSTEM
	X	D350-822-013	PA100 PUREAIR PROVISIONS
1		QB05008	PUREAIR SYSTEM
1**		QR10616	TUBE REPAIR KIT
1**		QB21304	PUREAIR PANEL ASSY
1**		QB21310	TRANSITION DUCT ASSY
1**		QB21308	FOD SCREEN ASSY
15**		LN29985-A05	ANCHOR NUT
56**		LN9038-05018	BOLT
56**		BS4320-A5	WASHER
40**		MS20426AD3-3	RIVET
1	1	650.0401	PUREAIR FAIRING ASSY
1	1	D4925-041	MOUNTING PLATE ASSY
1*	1*	D4931-1	ENGINE FITTING
1*	1*	D4931-3	ENGINE FITTING
1*	1*	D4931-5	ENGINE FITTING
6	6	D4935-1	MOUNTING BRACKET
1	1	D4943-1	FLEX HOSE
1	1	D4961-041	TUBE ASSEMBLY
1	1	D4961-043	TUBE ASSEMBLY
2	2	D5079-1	PLACARD
1	1	D5090-041	DUCT ASSEMBLY
2	2	D5105-1	HANDLE
1	1	D5110-1	SWIVEL NUT FITTING
2	2	D5179-1	DOUBLER
2	2	D5179-3	DOUBLER
2	2	D5194-1	DOUBLER
3	3	D5208-041	BLANKING PLATE ASSY
1*	1*	9752100180	GASKET
1*	1*	9945000120	GASKET
2	2	23350CA050	LOCKING TAB
2	2	AN821-12J	ELBOW (OR AN821-12K OR AN821-12S)
1	1	AN929-12J	CAP
58	58	BS4320-A5	WASHER (OR NAS1149D0332J)
2	2	EN3686-050016	SCREW
32	32	LN9038-05012	BOLT
1	1	LN9038-05040	BOLT
26	26	LN9348-05	NUT
18	18	MS20470AD3-4	RIVET
1	1	MS21919WHG12	CLAMP
1	1	MS9592-138	BRACKET
1	1	NAS43DD3-64	SPACER

* USE APPROPRIATE FITTING/GASKET BASED ON ENGINE INSTALLATION

** PART OF QB05008 ABOVE